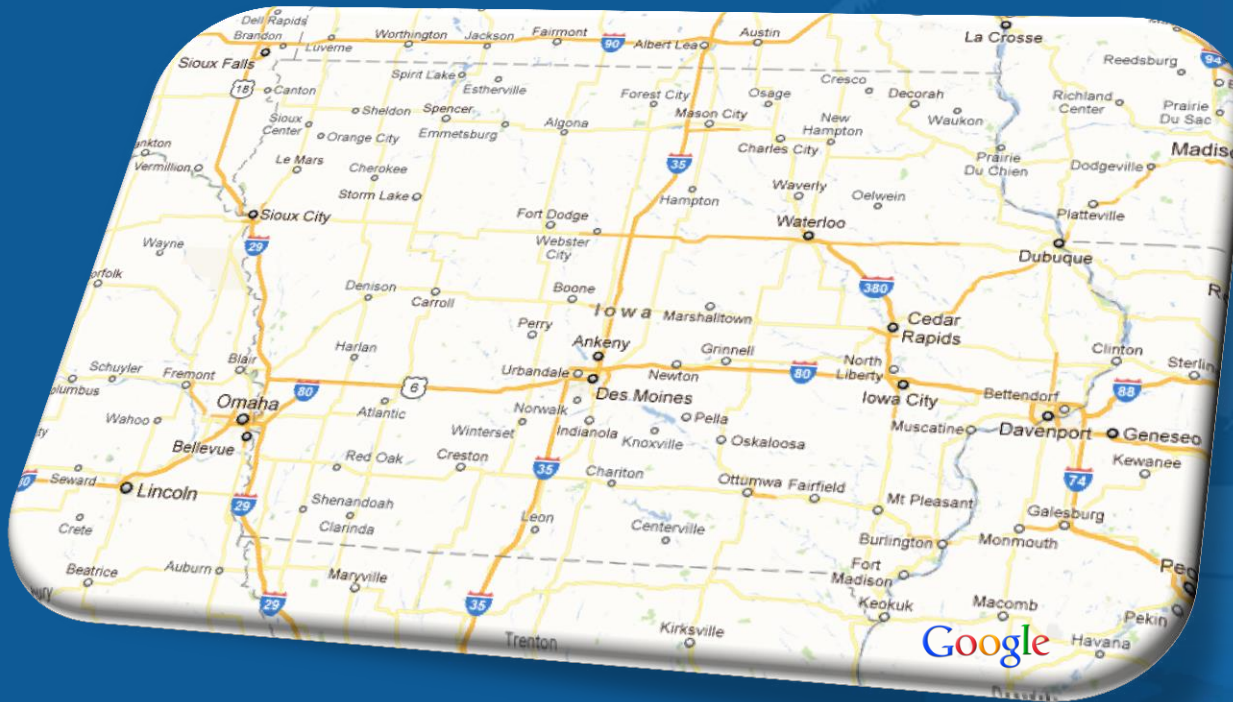




# Winter Weather Briefing

Sunday, February 1, 2015



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**National Weather Service**  
**Des Moines, IA**

[www.weather.gov/desmoines](http://www.weather.gov/desmoines)

Email: [w-dmx.webmaster@noaa.gov](mailto:w-dmx.webmaster@noaa.gov)

Phone: 515-270-2614





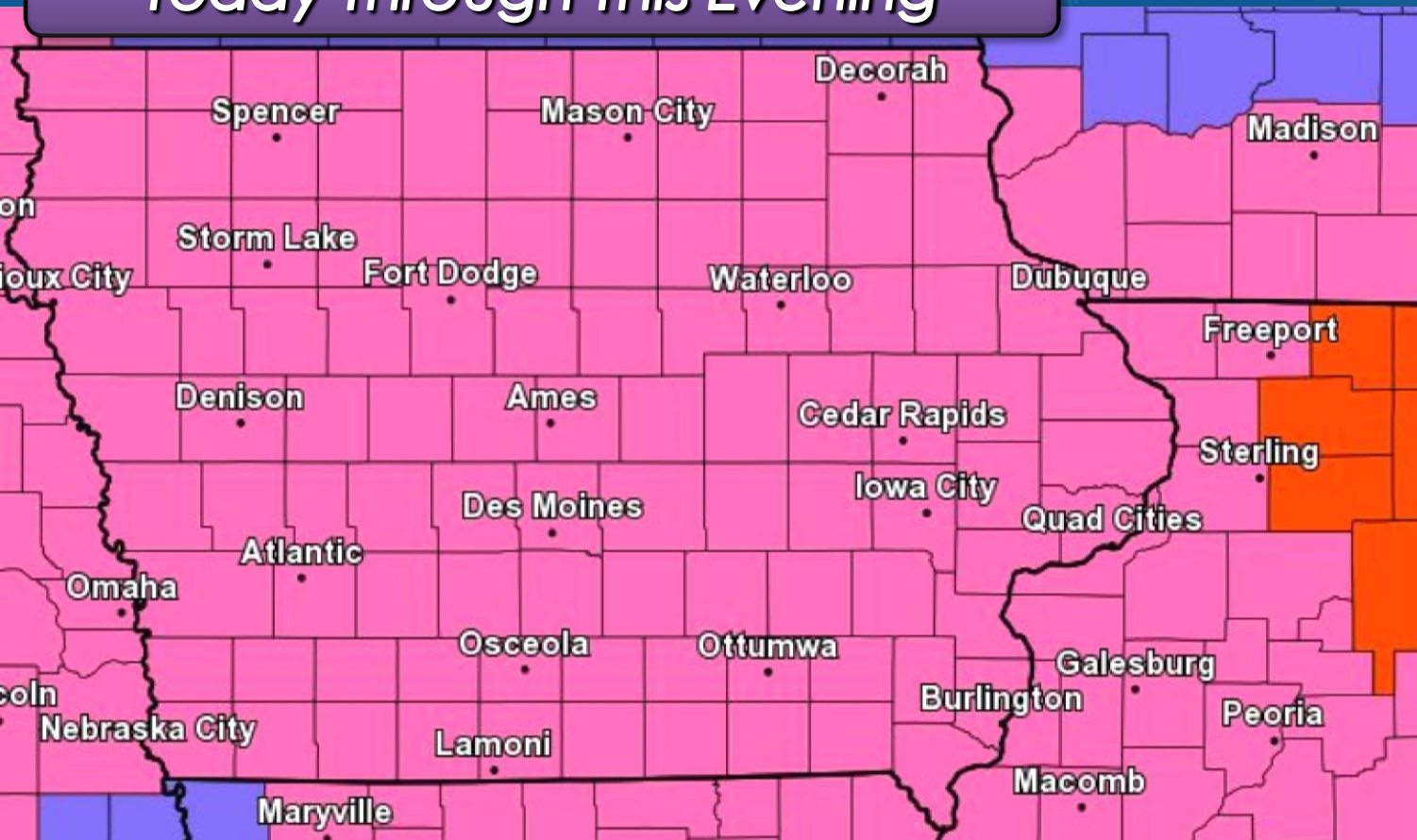
# Key Points

What	Where	Timing	Impacts
<b>Total Snow:</b> <b>8" to 12+"</b>	<b>Greatest Amounts:</b> <b>I-80 Corridor to</b> <b>the MO Border,</b> <b>East of I-35</b>	<b>Today into this</b> <b>evening</b>	<ul style="list-style-type: none"><li>• Slick, snow-covered and possibly impassable roads</li><li>• Difficulty shoveling wet heavy snow</li><li>• Reduced visibility</li></ul>
<b>Strong Winds:</b> <b>North 20-35</b> <b>mph, Gusts</b> <b>to 40 mph</b>	Throughout Iowa	<b>Today through this</b> <b>evening</b>	<ul style="list-style-type: none"><li>• Blowing and drifting snow. Large snow drifts possible.</li><li>• Power outages from snow covered limbs breaking</li><li>• Reduced visibility</li></ul>
<b>Wind Chills:</b> <b>-10° to -20°</b>	Central to NW Iowa (Coldest in NW Iowa)	<b>Tonight &amp; Monday</b> <b>Morning</b>	<ul style="list-style-type: none"><li>• Frostbite can occur within 30 minutes</li></ul>



# Winter Storm Warning

*Today Through This Evening*



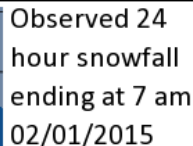
Latest NWS Watch  
Warnings and  
Advisories

- Winter Storm Warning
- Winter Weather Advisory
- Winter Storm Watch



*Remains in effect until 9 pm this evening  
for central Iowa*





*Totals valid as of 11:00am Feb 1*  
*Pockets of higher amounts than on map*



# Total Snow Forecast

*Through This Evening*



***For Today:***  
Another 2-4 inches  
on top of what  
has already fallen.

Map on the left  
includes currently  
fallen snow and  
forecast snow  
amounts.





# Wind Chill Forecast

*This Evening*

		Temperature (°F)																
Calm	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
5	36	31	25	19	13	7	1	-5	-11	-16	-22	-28	-34	-40	-46	-52	-57	-63
10	34	27	21	15	9	3	-4	-10	-16	-22	-28	-35	-41	-47	-53	-59	-66	-72
15	32	25	19	13	6	0	-7	-13	-19	-26	-32	-39	-45	-51	-58	-64	-71	-77
20	30	24	17	11	4	-2	-9	-15	-22	-29	-35	-42	-48	-55	-61	-68	-74	-81
25	29	23	16	9	3	-4	-11	-17	-24	-31	-37	-44	-51	-58	-64	-71	-78	-84
30	28	22	15	8	1	-5	-12	-19	-26	-33	-39	-46	-53	-60	-67	-73	-80	-87
35	28	21	14	7	0	-7	-14	-21	-27	-34	-41	-48	-55	-62	-69	-76	-82	-89
40	27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64	-71	-78	-84	-91
45	26	19	12	5	-2	-9	-16	-23	-30	-37	-44	-51	-58	-65	-72	-79	-86	-93
50	26	19	12	4	-3	-10	-17	-24	-31	-38	-45	-52	-60	-67	-74	-81	-88	-95
55	25	18	11	4	-3	-11	-18	-25	-32	-39	-46	-54	-61	-68	-75	-82	-89	-97
60	25	17	10	3	-4	-11	-19	-26	-33	-40	-48	-55	-62	-69	-76	-84	-91	-98

Frostbite Times



30 minutes



10 minutes



5 minutes

$$\text{Wind Chill (°F)} = 35.74 + 0.6215T - 35.75(V^{0.16}) + 0.4275T(V^{0.16})$$

Where, T= Air Temperature (°F) V= Wind Speed (mph)

Effective 11/01/01



# Wind Chill Forecast

## Monday Morning

Temperature (°F)

Calm	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
5	36	31	25	19	13	7	1	-5	-11	-16	-22	-28	-34	-40	-46	-52	-57	-63
10	34	27	21	15	9	3	-4	-10	-16	-22	-28	-35	-41	-47	-53	-59	-66	-72
15	32	25	19	13	6	0	-7	-13	-19	-26	-32	-39	-45	-51	-58	-64	-71	-77
20	30	24	17	11	4	-2	-9	-15	-22	-29	-35	-42	-48	-55	-61	-68	-74	-81
25	29	23	16	9	3	-4	-11	-17	-24	-31	-37	-44	-51	-58	-64	-71	-78	-84
30	28	22	15	8	1	-5	-12	-19	-26	-33	-39	-46	-53	-60	-67	-73	-80	-87
35	28	21	14	7	0	-7	-14	-21	-27	-34	-41	-48	-55	-62	-69	-76	-82	-89
40	27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64	-71	-78	-84	-91
45	26	19	12	5	-2	-9	-16	-23	-30	-37	-44	-51	-58	-65	-72	-79	-86	-93
50	26	19	12	4	-3	-10	-17	-24	-31	-38	-45	-52	-60	-67	-74	-81	-88	-95
55	25	18	11	4	-3	-11	-18	-25	-32	-39	-46	-54	-61	-68	-75	-82	-89	-97
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# Winter Weather Resources

Home Page:  
[weather.gov/desmoines](http://weather.gov/desmoines)

Des Moines, IA

Home Site Map News Organization Search for:  NWS • IA

Top News of the Day

- NWS Des Moines Participating in 2014 SKYWARN Recognition Day
- Changes to River Forecast Services in Central Iowa on November 17th

Watches & Warnings Observations Forecast Graphics Rivers & Lakes Climate **Decision Support**

Click on the map below for the latest forecast.

Read watches, warnings & advisories

Wind Advisory Hazardous Weather Outlook

Latest Conditions in Des Moines, IA Choose Your Front Page City

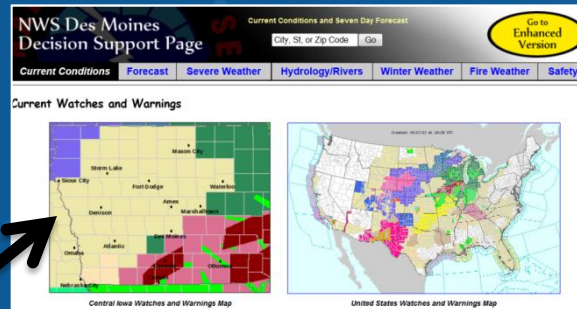
Nov 7 9:54 am 46°F (8°C) Mstly Cloudy

Weather Story Radar Satellite Weather Map

On this day in Iowa weather history...

1991: Unusually early bitter cold temperatures settled across Iowa bringing the temperature below zero across the entire state, with only a few eastern and southeastern sections recording lows in the single digits above zero. Stations set daily record lows and at numerous locations this is the earliest date on record on which the temperature has fallen below zero, including at Des Moines where the low was -3 F. The lowest reported temperature morning included -12 F at Audubon, -13 F at Perry, -14 F at Le Mars, -15 F at Sheldon, -16 F at Guthrie, Cherokee, and -19 F at Hawarden.

Decision Support  
Page:  
[weather.gov/dmx/  
?n=dsscurren](http://weather.gov/dmx/?n=dsscurren)



Iowa Road Conditions:  
[511ia.org](http://511ia.org)

TRAVELER INFORMATION

CALL 511 OR 1-800-288-1047

511 IOWA

Iowa Department of Transportation

TRAVELERS

Traffic events, speeds, cameras, winter road conditions

FULL FEATURED HIGH-SPEED INTERNET

STREAMLINED SLOWER INTERNET

Features personalized alerts and saved routes

Uses static maps for faster loading

TRUCKERS

Trucker-focused traveler information

FULL FEATURED HIGH-SPEED INTERNET

STREAMLINED SLOWER INTERNET

Highlights weigh station locations and restrictions

Uses static maps for faster loading

511 ON THE GO

511 easily viewed on mobile devices

Download the Iowa 511 smartphone app for iPhone and Android.

View the text-based version with cameras.

JOIN THE CONVERSATION

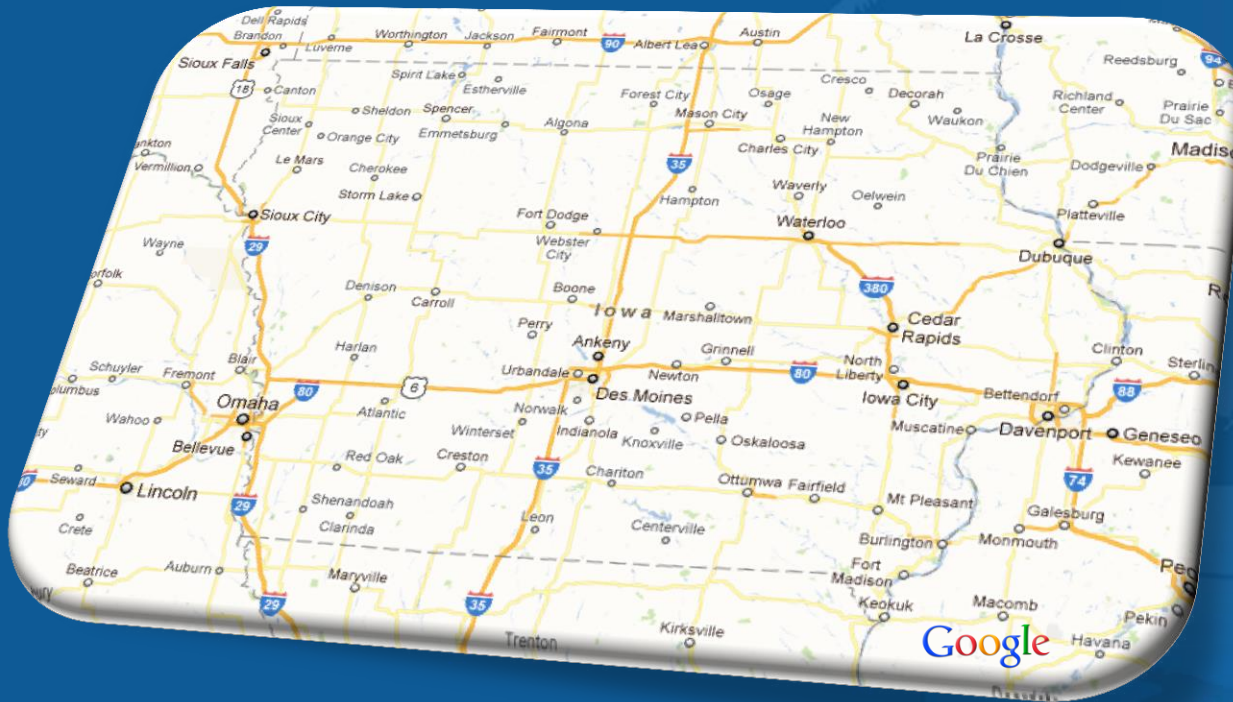
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**National Weather Service**  
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